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<p>(21) International Application Number: <b>PCT/US99/22975</b></p> <p>(22) International Filing Date: <b>29 September 1999 (29.09.99)</b></p> <p>(30) Priority Data: 60/102,381 <b>29 September 1998 (29.09.98)</b> US</p> <p>(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application US <b>60/102,381 (CON)</b> Filed on <b>29 September 1998 (29.09.98)</b></p>		<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p>	
<p>(71) Applicant (<i>for all designated States except US</i>): ARCH DEVELOPMENT CORPORATION [US/US]; 5640 South Ellis Avenue, Chicago, IL 60637 (US).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (<i>for US only</i>): WANG, San, Ming [-/US]; - (US). FEARS, Scott [-/US]; - (US). ROWLEY, Janet, D. [-/US]; - (US).</p> <p>(74) Agent: HIGHLANDER, Steven, L.; Arnold, White &amp; Durkee, P.O. Box 4433, Houston, TX 77210 (US).</p>		<p>Published <i>With international search report.</i></p> <p>(88) Date of publication of the international search report: <b>27 July 2000 (27.07.00)</b></p>	
<p>(54) Title: A NEW STRATEGY FOR GENOME-WIDE GENE ANALYSIS: INTEGRATED PROCEDURES FOR GENE IDENTIFICATION</p> <p>(57) Abstract</p> <p>The present invention is drawn to methods for genome-wide index in a particular cell type, and for genome-wide identification of differentially expressed genes. Also provided is an improved set of poly-dT primers anchored at their 3' ends.</p>			

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## INTERNATIONAL SEARCH REPORT

Int. Application

PCT/US 99/22975

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 93 18176 A (DANA FARBER CANCER INST INC) 16 September 1993 (1993-09-16) see claims	1
X	LIANG P ET AL: "DIFFERENTIAL DISPLAY OF EUKARYOTIC MESSENGER RNA BY MEANS OF THE POLYMERASE CHAIN REACTION" SCIENCE, US, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE,, vol. 257, no. 5072, 14 August 1992 (1992-08-14), pages 967-971, XP000508268 ISSN: 0036-8075 the whole document	1,20,26, 28
X	US 5 807 680 A (ERLANDER MARK G ET AL) 15 September 1998 (1998-09-15) see whole doc. esp. claims	1,20,26, 28
-/-		

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

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Date of the actual completion of the international search

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Name and mailing address of the ISA  
European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Müller, F

## INTERNATIONAL SEARCH REPORT

Int'l. Application No.

PCT/US 99/22975

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DIATCHENKO L ET AL: "SUPPRESSION SUBTRACTIVE HYBRIDIZATION: A METHOD FOR GENERATING DIFFERENTIALLY REGULATED OR TISSUE-SPECIFIC cDNA PROBES AND LIBRARIES" PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, US, NATIONAL ACADEMY OF SCIENCE, WASHINGTON, vol. 93, 1 June 1996 (1996-06-01), pages 6025-6030, XP002911922 ISSN: 0027-8424 cited in the application the whole document</p>	
A	<p>VELCULESCU V E ET AL: "SERIAL ANALYSIS OF GENE EXPRESSION" SCIENCE, US, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE, vol. 270, 20 October 1995 (1995-10-20), pages 484-487, XP002053721 ISSN: 0036-8075 cited in the application the whole document</p>	
A	<p>US 5 545 522 A (BARCHAS JACK D ET AL) 13 August 1996 (1996-08-13) see claims and figures</p>	

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Information on patent family members

International Application

PCT/US 99/22975

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